Forewords from the Head

Spring has flown by and you have all been very busy. We have begun searches for a number of positions and I thank all of you who have been so welcoming to the interviewees. Our greatest asset is our people. Really.

It will be a great time at the End of Year Celebration in the Blue Commons, June 14th, noon-2pm. Remember to wear your WolfPack best! You don’t want to miss Steve Marks as the Wolf, Tracy Hill’s personal revelations contest, the random gifts or the staff and graduate student awards. The food is always great (thanks to all of you). So leave those pods in the Terry Center, the Health and Wellness Center, the Barn and the Research Building and come on over as we end another successful year. If you want to see what you might miss if you don’t make it, here is the link to last year’s festivities: http://www.cvm.ncsu.edu/docs/secure/documents/docs_year_end_party_2011.pdf

Some big spring events: Dentistry has moved into their new digs (great color!) and the Exotics Service has opened for business in their new area. The clinical skills lab is full of dust and wet concrete as the renovations proceed. Hopefully the noise has not affected Equine too terribly. The Open House was a huge success thanks to all your efforts. A big hat’s off to Rita Hanel, who worked tirelessly to pull it off. We said goodbye (sort of, he keeps re-appearing) to Shane Christian. (http://www.cvm.ncsu.edu/docs/secure/social_events.html). Nancy Monteiro will be moving to Kansas State this summer and Richard McMullen will be moving back to Germany this fall. We will miss them. – Lizette Hardie

Faculty & Staff Updates

- Dr. Petra Bizikova will be joining us as an Assistant Professor of Dermatology, effective July 1, 2012. (finalized PhD thesis in May)
- Dr. Vanessa Grunkemeyer moved into a Clinical Veterinarian position April 2012, Exotics Service (Degernes/Flammer)
- Dr. Seunggon Lee joined Cardiology as a Postdoc on April 1, 2012. (Atkins)
Dr. Patricia Mascarelli moved into a Research Associate position February 2012, Small Animal Internal Medicine Service. (Breitschwerdt)

Dr. Richard McMullen will be leaving us in November to move back to Germany.

Dr. Meghali Nighot moved into a Postdoc position March 26, 2012, with Equine (Blikslager).

Dr. Barbara Qurolo joined Small Animal Internal Medicine as a Postdoc on February 3, 2012. (Breitschwerdt)

Dr. Nancy Riviere-Monteiro will be leaving us the end of July. She will serve as a Regents Distinguished Research Scholar and University Distinguished professor in the Department of Anatomy and Physiology in the College of Veterinary Medicine at Kansas State University. We are having a farewell reception on July 20, 2-4 pm in the Green Commons.

Stephen Stauffer moved into a Research Assistant position June 1, 2012, with Small Animal Internal Medicine. (Gookin) (former SPA employee)

Dr. Ganokon Urkasemsin moved into a Postdoc position May 14, 2012, with Neurology. (Olby)

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**Awards/Congratulations**

(December 2011-May 2012)

Dr. Adam Birkenheuer is the recipient of a grant from Morris Animal Foundation to support his ongoing research into Cytauxzoonosis, March 2012.

DoCS was a part of 2 successful Chancellor’s Faculty Excellence Proposals:
1) Positioning NC State as a Global Leader in Methodology for Personalized Medicine Discovery. The following members had input: Anthony Blikslager, Kim Chappell, Bruce Keene, Duncan Lascelles, Natasha Olby, Thierry Olivry, Steven Suter, and Michael Wood.
2) Translational Regenerative Medicine Initiative – From Bench to Clinics. Dr. Kyle Mathews was one of the authors of the proposal.

Dr. David Bristol named American Council on Education Fellow for 2012-2013.

Dr. Ed Breitschwerdt won an Alumni Association Outstanding Research Award. The official announcement was made at Commencement.


Dr. Sam Jones was appointed to the Herbert Benjamin Distinguished professorship, May 2012.

Javier Benito, Postdoctoral Research Scholar, received a recognition award for the poster presentation entitled “Evaluation of Meloxicam and Tepoxalin in Cats.” (Advisor: Duncan Lascelles)

Dr. Duncan Lascelles received the Pfizer Animal Health Award for Research Excellence at the CVM Awards Banquet, April 26, 2012.

Dr. Greg Lewbart received the William Medway Award for Excellence at the 43rd Annual Meeting of the International Association for Aquatic Animal Medicine held in Atlanta, GA, May 12-16, 2012.

The CVM Awards Banquet was held on April 26th, the following received awards:
- Fonda Martin and Gail Druley - Phyllis Edwards Service Award
- Dr. Kieri Jermyn - Class of 2012 Small Animal Clinician Award
- Dr. Steve Marks - Class of 2013 Bayer Faculty Award

**Promotions effective July 1, 2012:**
- Dr. Rita Hanel – Clinical Associate Professor
- Dr. Marlene Hauck – Professor
- Dr. William Krug – Clinical Associate Professor
- Dr. Ricardo Maggi – Research Associate Professor
- Dr. Laurel Williams – Professor
- Dr. Barbara Sherman – Clinical Professor
- Dr. Steven Suter – Associate Professor
Grants Received
(December 2011-May 2012)

Bailey C, Lewbart G. Semen collection, evaluation, and cryopreservation in Tarantulas. 06/01/12-10/01/12 (Triangle Community Foundation) $5,000.


Blikslager A. Does large colon resection and anastomosis affect survival in horses with large colon volvulus. NC Horse Council, $4,154.

Chappell K, Hauck M. Multicenter non-controlled pilot field study to assess the maximum tolerated dose and efficacy of Bgt226 tablets when administered for up to 4 weeks in treatment cohorts of increasing doses to client-owned dogs with B-cell lymphoma. Novartis Animal Health Inc., $178,090.

Fish R. Umbilical cord mesenchymal stem cell treatment for a swine alveolar cleft model. UNC Chapel Hill, $11,585.


Hanel R, Istvan S, Suter S. The effect of platelet-containing products on hemostasis in dogs after total body irradiation induced thrombocytopenia. NCSU Veterinary Medical Foundation (Firestone Canine Research Foundation), $3,000.

Harms C, Papich M, Chinnadurai S. Sex differences in meloxicam pharmacokinetics in ferrets after single subcutaneous and oral administration. Association of Exotic Mammal Veterinarians, $5,000.

Harms C. Collaborative development of stranded cetacean euthanasia recommendations. Virginia Aquarium & Marine Science Center Foundation (National Oceanic & Atmospheric Administration (NOAA), $7,500.

Hauck M. Targeting metastatic pathways. Triangle Community Foundation, $5,000.

Hauck M. Targeting the metastatic phenotype in canine soft tissue sarcoma cell lines. Morris Animal Foundation, $4,000.


Lascelles D. Influence of an intramedullary pin on the stability of a feline ilial fracture stabilized with a bone plate. American College of Veterinary Surgeons, $6,572.

Olby N. Role of morphology in clinical progression and syringomyelia in Cavalier King Charles Spaniel chiari-like malformation. Cornell University (American Cavalier King Charles Spaniel Club Charitable Trust, Inc.), $18,662.


Suter S, Hanel R, Istvan S. The effect of platelet products on hemostasis in dogs after irradiation induced thrombocytopenia. NCSU Veterinary Medical Foundation, $6,000.

Suter S. The effect of varying storage conditions on CD34+ peripheral blood progenitor cell viability. NC Veterinary Medical Foundation, Inc., $2,000.

Vaden S. Improving outcome in dogs with glomerular disease via pharmacodynamic-based dosing of Enapril. Ohio State University (Morris Animal Foundation), $21,448.

Testing Service and Clinical Trial Agreements
(December 2011-May 2012)


Gilger BC. Drug testing on animal model of keratitis. C.T. Development Switzerland SARL, $23,000.

Books and Papers Published
(December 2011-May 2012)


Ott LE, McDowell ZT, Turner PM, Law JM, Adler KB, Yoder JA, Jones SL. Two myristoylated alanine-rich C-kinase substrate (MARCKS) paralogs are required for normal development in zebrafish. Anatomical Rec 2011;294:1511–1524.


Olivry T*, Linder KE*, Wang P*, Bizikova P, Bernstein J, Dunston SM, Paps JS, Casal M. Deficient plakophilin-1 expression due to a mutation in PKP1 causes ectodermal dysplasia-fragility syndrome in Chesapeake Bay retriever dogs. PLoS ONE 2012;7:e32072. (*these authors contributed equally to the work.)


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In the News


Dr. Margaret Gruen was the guest on NBC-17's "My Carolina Today" on May 15, 2012 where she discussed preventing dog bites as part of the National Dog Bite Prevention Week: http://www.cvm.ncsu.edu/news/2012-05-21-National-Dog-Bite-Prevention-Week.html

The Bone Marrow Transplant Unit was mentioned in the New York Times, April 15, 2012. The article resulted in more than 300 reader comments and more than 150 commented upon the special "Room for Debate" follow up on April 9th http://www.nytimes.com/roomfordebate/2012/04/09/the-ethics-of-spending-25000-on-pet-health-care

Dr. Steven Suter was interviewed by Minnesota Public Radio on canine bone marrow transplants and cost of specialty health care> http://minnesota.publicradio.org/display/web/2012/04/19/daily-circuit-saving-your-pet/

Dr. Mathew Gerard was interviewed by WRAL on March 18th concerning a miniature horse that was brought to the Equine and Large Animal Veterinary Center after being attacked by an animal or animals. Drs. Gerard and Jennifer Davis handled the emergency.

Dr. Duncan Lascelles was quoted in an ABC News web article on the warning signs of arthritis in pets., March 5th.

Dr. Duncan Lascelles and Dr. Ola Harrysson from the College of Engineering were interviewed about osseointegrated implant patient Cyrano during the national NPR program “The Animal House.”

The CVM was the host institution as the world's top Bartonella for the 7th International Conference on Bartonella as Animal and Human Pathogens http://www.cvm.ncsu.edu/conted/icbmvp7.html

Dr. Ed Breitschwerdt presented and was quoted in a Veterinary Practice News article on the 15 known pathogens that ticks can transmit to a dog, March 2012.

Dr. Thierry Olivry was quoted in Veterinary Practice News on the clinical guidelines he helped develop as the lead author for the International Task Force on Canine Atopic Dermatitis, March 2012.

Dr. Richard Ford was quoted in a Veterinary Practice News article on feline vaccination guidelines, March 2012.

Dr. Michael Stoskopf was on a detailed Scientific American guest blog about the status of the red wolf population in North Carolina, March 2012.
Dr. Brian Gilger’s ophthalmology research improving vision for animals post-cataract surgery was the subject of a Technician feature, March 2012.

Dr. Steve Marks is quoted in a Veterinary Practice News article about pet fevers, February 9th.

Dr. Richard McMullen Jr. is quoted in Bioptigen press release concerning his cataract surgery of C’sar, the elephant at the NC Zoo, February 4th. See the picture: http://www.octnews.org/articles/3417664/bioptigen-envisu-sdoct-used-in-rare-elephant-catar/

Dr. Greg Lewbart was interviewed on the NPR program “This Animal House” January 28th about his pioneering fish surgery.

Cyrano, a cancer-surviving 10-year-old cat, is back home in Upperville, VA following the success of a January 26th knee replacement surgery, the first of its kind for a feline, by a surgical team led by Dr. Denis Marcellin-Little. The story was covered in the Associated Press and reported by U.S. and international media. AP video report

Dr. Richard Ford, who is a member of AAHA canine vaccination task force, is quoted in Veterinary Practice News article concerning canine on vaccines, January 25th.


Personal News

Blikslager AT. Spoke and discussed colic conditions with long-time collaborator Al Merritt (UFL) at the European Veterinary Conference held in Amsterdam where the drinking age was 16 and pot was legal. His kids were very excited but drank the local water instead of indulging. Really Anthony?

Who Am I

Beth Barlow, Equine Research Technician

Hello! I am originally from a rural area of upstate New York, and often people are amused to find that Raleigh is the biggest city I have lived in! I grew up in a very small country town, called Apalachin. The biggest thing the town is known for was the place of the infamous 1957 Mafia Summit that had over 100 of the US and Canadian mafia bosses meeting at a small farmhouse. The local police busted it when it was noticed that there were a lot of very expensive cars arriving, definitely not a normal occurrence! I have lived in North Carolina since 1997, when I came south for college. I graduated from University of North Carolina at Wilmington with a BS in Marine Biology and minor in Chemistry. I have lived in the triangle since, and absolutely love it. I started at the vet school in May of 2001 when I was hired by Drs. Ron Baynes and Jim Riviere in PHP and worked for them until last May, when I switched to DoCS to work for Drs. Jen Davis and Betta Breuhaus as their chemist. I am excited to be part of DoCS.

Outside of the vet school I am an active member of the Raleigh Jaycees’s, and have served on their board of directors for several years. I love the community service that I get to do with them, and am often found at the annual Haunted House, working behind the scenes to help build it, and even sometimes making an appearance as “silent” Beth, in the customer queue to help entertain. I quickly found as I was trying to scare people, that my voice is the least scary thing you will ever hear, and by being silent and interacting (often as a street sweeper) with the customer’s in-line, I can scare the pants off them. Who knew! I also enjoy our annual Goodfellow’s project, where we take around 100 underprivileged kids from the Wake County School System, and give them a shopping spree at Belk’s to purchase needed items coats, clothes, and shoes, Christmas dinner, and a visit with Santa (presents and all!). It is always a rewarding experience, and it never fails to put me in the Christmas spirit, I am proud that it is the longest running Jaycee project in the world. We work all year to raise money for the...
project, with fundraisers such as the Haunted House, the Turkey Shoot at the NC State Fair, and PONY (a girl’s fast pitch softball tournament that brings in over 200 teams to the community for a week). When I am not busy with the Jaycees or at work, I am a complete homebody, and love to play with my dog Liam, quilt, and read.

Tonya Lee, Newsletter Editor
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